

**REMARKS/ARGUMENTS**

The Office Action mailed September 10, 2004, has been received and reviewed. Claims 1 through 10 are currently pending in the application. Claims 1 through 7 stand rejected. Applicants have amended claims 1 through 6 and 9 through 10, and respectfully request reconsideration of the application as amended herein.

**Information Disclosure Statement(s)**

Applicant notes the filing of an Information Disclosure Statement herein on July 3, 2003, and notes that no copy of the PTO-1449 was returned with the outstanding Office Action. Applicant respectfully requests that the information cited on the PTO-1449 be made of record herein and an initialed copy of the PTO-1449 be returned to Applicant's undersigned attorney evidencing the same. A copy of the PTO-1449 and a date-stamped copy of the transmittal postcard evidencing receipt of the same by the Office are enclosed for the Examiner's reference.

**Preliminary Amendment**

Applicant's undersigned attorney notes the filing herein of a Preliminary Amendment on October 9, 2003, which filing was not acknowledged in the outstanding Office Action. Should the Preliminary Amendment have failed for some reason to have been entered in the Office file, Applicant's undersigned attorney will be happy to have a true copy thereof hand-delivered to the Examiner.

**35 U.S.C. § 101 Double Patenting Rejection**

Claims 1 through 7 stand rejected under 35 U.S.C. § 101 as claiming the same invention as that of claims 1 through 5, and 7 and 8 of pending U.S. Patent Application Serial No. 10/230,654, filed on August 29, 2002. (hereinafter the '654 application) Applicants respectfully traverse this rejection, as hereinafter set forth.

The remarks of the related application 10/23064 state, "Applicant has concurrently filed an Amendment directed to U.S. Patent Application No. 10/613,277, which cancels claims 1 through 7 thereof." (emphasis added.) An amendment directed to related U.S. Patent application

No. 10/613,277 was filed on July 20, 2004, canceling claims 1 through 7 thereof. However, Applicant respectfully submits that no such amendment has been filed in the present application, U.S. Patent application No. 10/613,237 because no such amendment is necessary. The claims of the present application are not coextensive in scope with claims 1 through 5, and 7 and 8 of the ‘654 application.

Claim 1 of the present application, as amended herein, recites “An electronic device package comprising: a transparent substrate structure; at least one *secondary substrate* having a first surface secured to a surface of the transparent substrate structure, *a central aperture* covered by the transparent substrate structure, and *a plurality of conductive traces formed around the central aperture*, each conductive trace of the plurality of conductive traces having a first attachment point and a second attachment point on a second surface of the at least one secondary substrate; at least one optically interactive electronic device having at least one bond pad, the at least one *optically interactive electronic device mounted to the at least one secondary substrate* by a bond between the first attachment point of a conductive trace of the plurality of conductive traces and the at least one bond pad; and *a discrete conductive element* attached to the second attachment point of the conductive trace, the discrete conductive element extending outwardly from the at least one secondary substrate within an outside perimeter thereof from the second attachment point in a direction perpendicular to a plane of the at least one secondary substrate and to a level beyond a back surface of the at least one optically interactive electronic device.” (Emphasis added.)

Claim 1 of the ‘654 application recites, “An electronic device package comprising: a transparent substrate; a plurality of *conductive traces formed on a surface of the transparent substrate*, each conductive trace of the plurality of conductive traces having a first attachment point and a second attachment point; an optically interactive electronic device having at least one bond pad, the *optically interactive electronic device mounted to the transparent substrate* by a bond between the first attachment point of a conductive trace of the plurality of conductive traces and the at least one bond pad; and *a backing cap* covering a back surface of the optically interactive electronic device, the backing cap having at least one backing cap attachment point in electrical communication with the second attachment point of the conductive trace and at least

one attachment pad on a surface of the backing cap in electrical communication with the at least one backing cap attachment point." (Emphasis added.)

Applicants respectfully submit that claim 1 of the present application and claim 1 of the '654 application are not drawn to identical subject matter. For example, claim 1 of the present application is drawn to a secondary substrate having a central aperture and a plurality of conductive traces formed around the central aperture, and an optically interactive electronic device mounted to the secondary substrate. Claim 1 of the '654 application is drawn to conductive traces formed on a surface of the transparent substrate, an optically interactive electronic device mounted to the transparent substrate, and a backing cap. Dependent claims 2 through 7 of the present application are likewise drawn to non-identical subject matter.

It is, therefore, respectfully submitted that, under 35 U.S.C. § 101, claims 1 through 7 of the present application are allowable over claims 1-5 and 7-8 of copending Application No. 10/230654.

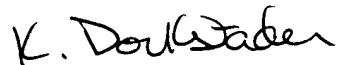
### **ENTRY OF AMENDMENTS**

The amendments to claims 1 through 6 and 9 through 10 and drawings FIGS. 6, 9, 13, and 16 above should be entered by the Examiner because the amendments are supported by the as-filed specification and drawings and do not add any new matter to the application. The drawings have been amended to address a spelling error.

### **CONCLUSION**

Claims 1 through 10 are believed to be in condition for allowance, and an early notice thereof is respectfully solicited. Should the Examiner determine that additional issues remain which might be resolved by a telephone conference, he is respectfully invited to contact Applicants' undersigned attorney.

Respectfully submitted,



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Date: December 9, 2004

KLD/nj:rmh

Document in ProLaw

**IN THE DRAWINGS:**

The attached sheets of drawings include changes to FIGS. 6, 9, 13, and 16. The word "DISCREET" has been corrected to "DISCRETE." The sheets, which include FIGS. 5, 6, 9, 10, 13, and 16, replace the original sheets including FIGS. 5, 6, 9, 10, 13, and 16.

THE PATENT & TRADEMARK OFFICE MAILROOM DATE  
STAMPED HEREON IS AN ACKNOWLEDGEMENT THAT ON THIS  
DATE THE PATENT & TRADEMARK OFFICE RECEIVED:

Utility Patent Application Transmittal (1 page); Fee Transmittal for FY 2003  
(1 page, in duplicate); Check No. 19092 in the amount of \$750.00;  
Specification, including cover page, claims and single-page abstract (20  
pages); Formal Drawings (10 sheets; 18 figures); Copy of Declaration for  
Patent Application (with Power of Attorney) (3 pages); Information  
Disclosure Statement (2 pages); and Form PTO-1449 (1 page)

Invention: FLIP-CHIP IMAGE SENSOR PACKAGES AND  
METHODS OF FABRICATION

Applicant(s): Larry D. Kinsman

Filing Date: July 3, 2003

Serial No.: Not Yet Assigned

Date Sent: July 3, 2003 via Express Mail Label No.

EV348044905US

Docket No.: 2269-5347.2US

GTW/ps:ljb



Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)  
5347.2US (02-0171.02/US)Application Number  
Not Yet Assigned

Applicant Larry D. Kinsman

Filing Date July 3, 2003

Group Art Unit Unknown

## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER    | DATE    | NAME            | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|--------------------|---------|-----------------|-------|----------|----------------------------|
|                  | 5,266,828          | 11/1993 | Nakamura et al. |       |          |                            |
|                  | 5,352,852          | 10/1994 | Chun            |       |          |                            |
|                  | 5,463,229          | 10/1995 | Takase et al.   |       |          |                            |
|                  | 5,786,589          | 07/1998 | Segawa et al.   |       |          |                            |
|                  | 5,867,368          | 02/1999 | Glenn           |       |          |                            |
|                  | 6,144,507          | 11/2000 | Hashimoto       |       |          |                            |
|                  | 6,255,769 B1       | 07/2001 | Cathey et al.   |       |          |                            |
|                  | 6,342,406 B1       | 01/2002 | Glenn et al.    |       |          |                            |
|                  | 6,400,075 B2       | 06/2002 | Watkins et al.  |       |          |                            |
|                  | 6,566,745 B1       | 05/2003 | Beyne et al.    |       |          |                            |
|                  | US-2002/0093078 A1 | 07/2002 | Paek            |       |          |                            |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
|  |                 |      |         |       |          |             |    |
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|  |                 |      |         |       |          |             |    |
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## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



ANNOTATED SHEET SHOWING

CHANGES

Inventor: Larry D. Kinsman

Serial No.: 10/613,237

Docket No.: 2269-5347.2US

3/10

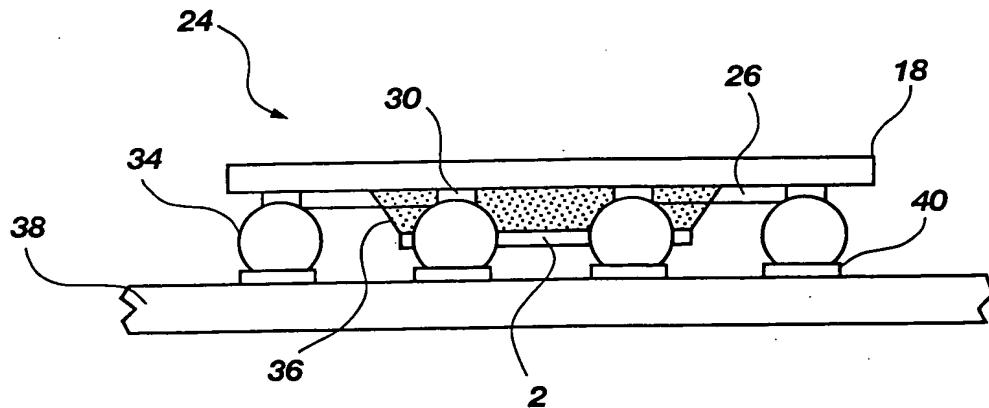


FIG. 5

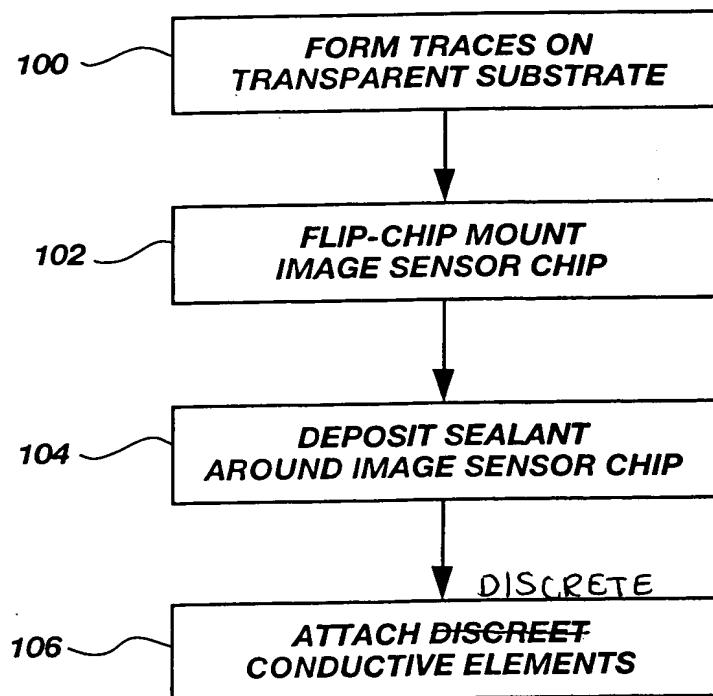


FIG. 6

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ANNOTATED SHEET SHOWING

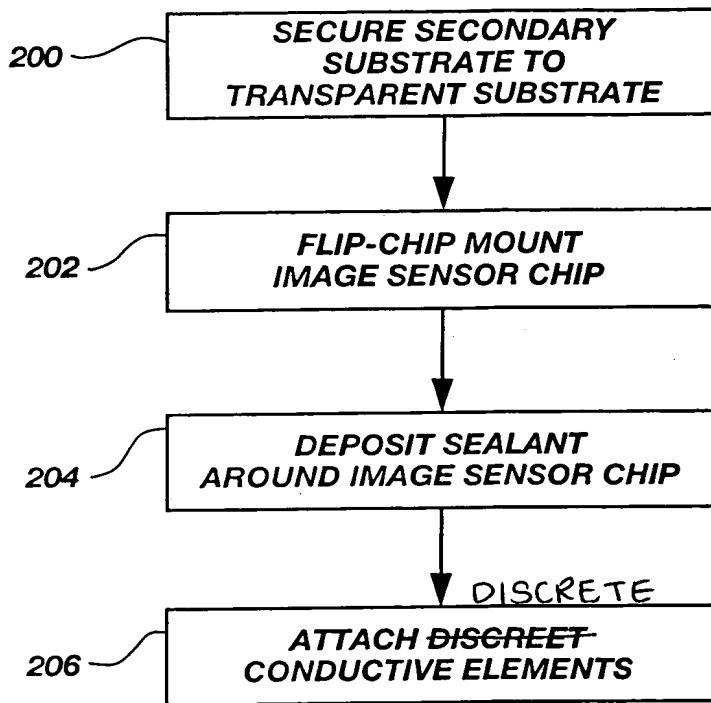
CHANGES

Inventor: Larry D. Kinsman

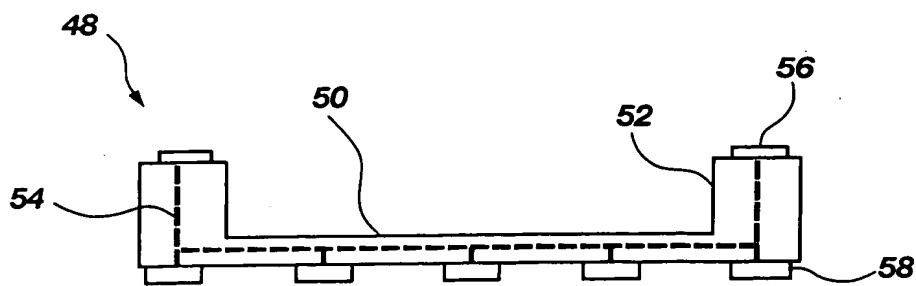
Serial No.: 10/613,237

Docket No.: 2269-5347.2US

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**FIG. 9**



**FIG. 10**

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Inventor: Larry D. Kinsman

Serial No.: 10/613,237

Docket No.: 2269-5347.2US

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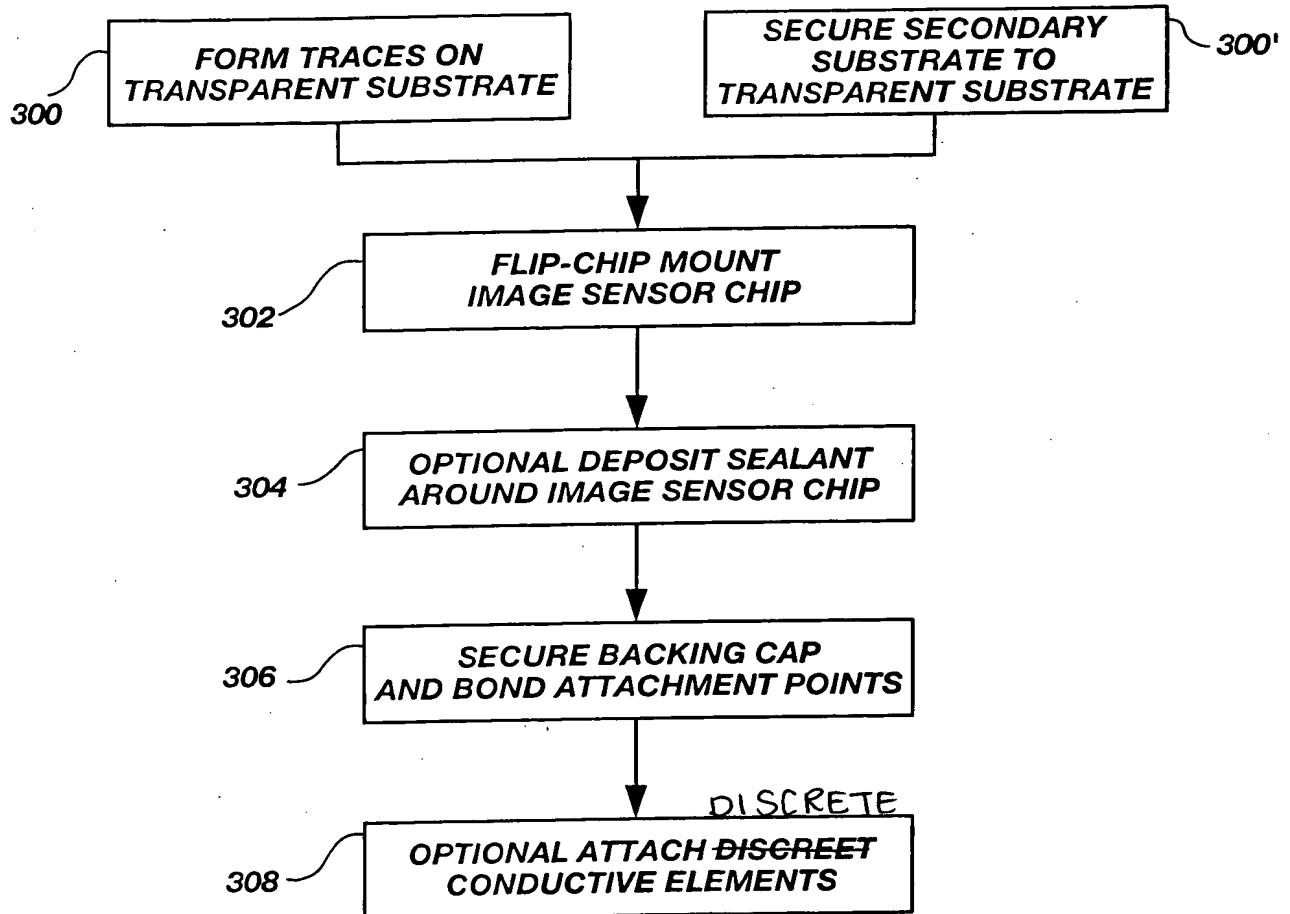


FIG. 13

**ANNOTATED SHEET SHOWING**

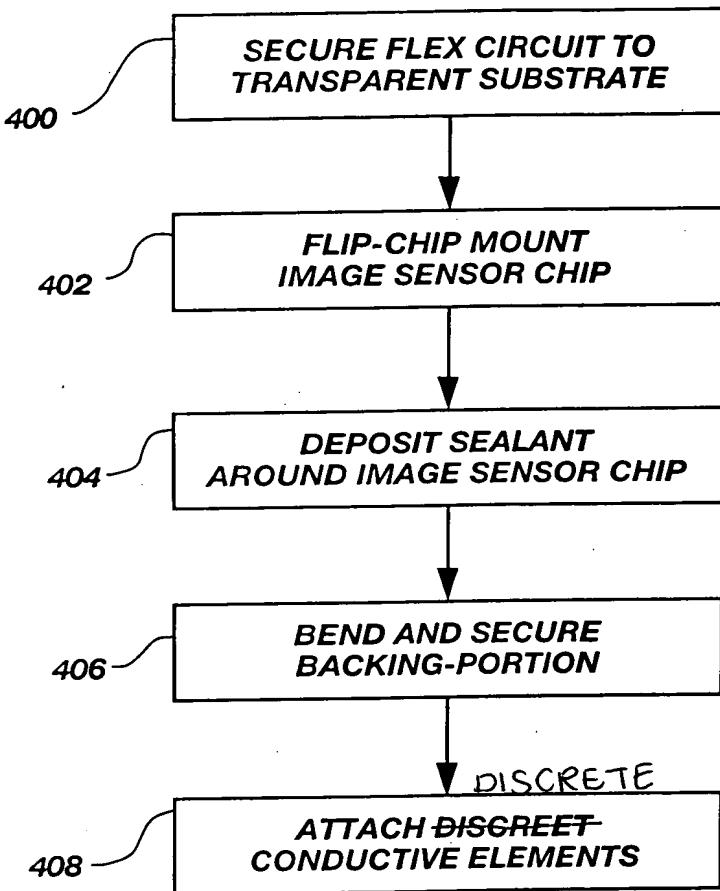
**CHANGES**

Inventor: Larry D. Kinsman

Serial No.: 10/613,237

Docket No.: 2269-5347.2US

**10/10**



**FIG. 16**